	Application No.	Applicant(s)
Notice of Allowability	09/646,907 Examiner	SAKAI ET AL. Art Unit
	Hussein Akhavannik	2621
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica IGHTS. This application is subjection	application. If not included tion will be mailed in due course. THIS
1. This communication is responsive to 8/12/2004.		
2. 🔯 The allowed claim(s) is/are <u>1-4</u> .		
3. \boxtimes The drawings filed on <u>24 December 2003</u> are accepted by	the Examiner.	
4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give (a) including changes required by the Notice of Draftspers 1) hereto or 2) To Paper No./Mail Date paper No./Mail Date Including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the supplication of the such such in the such sheet.	e been received. e been received in Application No cuments have been received in the of this communication to file a restant of this application. In the office of the attached EXAMIN the est peason (s) why the oath or decist be submitted. In the oath or decist be submitted. In the oath or in the oath o	his national stage application from the ply complying with the requirements ER'S AMENDMENT or NOTICE OF laration is deficient. TO-948) attached TO-948) attached TO-948 attached TO-948 in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIA FOR THE DEPOSIT OF BIOLOG	AL must be submitted. Note the SICAL MATERIAL.
	s.	
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	6. Interview Summ Paper No./Mail 7. Examiner's Ame 8. Examiner's State 9. Other	Date

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see page 5, lines 8-10 of the Remarks, filed June 15, 2004, with respect to claim 1 have been fully considered and are persuasive. The 35 U.S.C. 103(a) rejection of claim 1 has been withdrawn.

Allowable Subject Matter

- 2. Claims 1-4 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

The closest cited prior art (U.S. Patent No. 5,615,760) fails to teach or suggest the feature of the equation of a straight line for a predetermined principle component being calculated through a sum of squares in view of the additional features as recited by independent claim 1.

Claims 2-4 are also allowed for the same reason as stated above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - Yokomori (U.S. Patent No. 5,353,905) To exhibit using a linear regression to a coin sensor signal to detect and/or compensate for sensor abnormalities as explained in column 1, line 65 to column 2, line 7.

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- Burns (U.S. Patent No. 5,757,001) To exhibit using a multiple linear regression algorithm to detect counterfeit currency as explained in column 8, lines 39-58.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hussein Akhavannik whose telephone number is (703)306-4049. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo H. Boudreau can be reached on (703)305-4706. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hussein Akhavannik \hat{\lambda}. \hat{\lambda}. \text{October 28, 2004}

SUPERVISORY PATENT EXAMENTED
TECHNOLOGY CENTER 2400